

## AMENDMENTS TO THE CLAIMS

**Please amend the claims as indicated:**

**1-3. (Canceled)**

**4. (Currently Amended):** A method for treating an inflammatory bowel disease, wherein the inflammatory bowel disease is being ulcerative colitis or Crohn's disease, said method comprising administering an effective amount of polypeptide belonging to a thioredoxin superfamily to a patient in need of the inflammatory bowel disease treatment

said polypeptide comprising a sequence selected from the group consisting of -Cys-Gly-Pro-Cys-, -Cys-Pro-Tyr-Cys-, -Cys-Pro-His-Cys-, and -Cys-Pro-Pro-Cys- and, said polypeptide having an activity of alleviating the symptoms of an inflammatory bowel disease.

**5. (Currently Amended):** The method according to Claim 4, wherein the effective amount is 1-100 mg of polypeptide thioredoxin per kg body weight of a human adult.

**6-8. (Canceled)**

**9. (Currently Amended):** The method according to Claim 4, wherein the thioredoxin superfamily is an isolated peptide having thioredoxin (TRX) activity and including the sequence -Cys-Gly-Pro-Cys- (SEQ ID NO:1) wherein said polypeptide is an isolated polypeptide comprising the sequence -Cys-Gly-Pro-Cys- (SEQ ID NO:1), and has an activity of alleviating the symptoms of an inflammatory bowel disease.

**10. (Currently Amended):** The method according to Claim 4, wherein said polypeptide the thioredoxin superfamily is in reduced form.

**11. (Currently Amended):** The method according to Claim 4, which is in the form of solution or suspension wherein a solution or a suspension comprising said polypeptide is administered.

**12. (Currently Amended)** The method according to Claim 4, wherein the polypeptide belonging to the thioredoxin superfamily is human thioredoxin.